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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/711,779	10/04/2004	Chi-Yuan Liu	LITP0050USA 5778	
27765 7590 08/09/2007 NORTH AMERICA INTELLECTUAL PROPERTY CORPORATION EXAMIN		INER		
P.O. BOX 506			PHAM, VAN T .	
MERRIFIELD	, VA 22116		ART UNIT PAPER NUMBER	
			2627	
•			NOTIFICATION DATE	DELIVERY MODE
0			08/09/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

winstonhsu.uspto@gmail.com Patent.admin.uspto.Rcv@naipo.com mis.ap.uspto@naipo.com.tw

	:	Application No.	Applicant(s)			
:		10/711,779	LIU, CHI-YUAN			
	Office Action Summary	Examiner	Art Unit			
		VAN T. PHAM	2627			
	The MAILING DATE of this communication app	ears on the cover sheet with the	correspondence address			
Period fo	• •					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) 🛛	Responsive to communication(s) filed on 23 M	ay 2007.				
·	•	action is non-final.				
3)🖂	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims					
4)⊠	: Claim(s) <u>1-7</u> is/are pending in the application.					
-	4a) Of the above claim(s) is/are withdraw	vn from consideration.				
	5)⊠ Claim(s) <u>1-7</u> is/are allowed.					
6)[6) Claim(s) is/are rejected.					
7)	Claim(s) is/are objected to.					
8)[Claim(s) are subject to restriction and/or	r election requirement.				
Application Papers						
9) 🗆 -	The specification is objected to by the Examine	г.				
10)⊠ The drawing(s) filed on <u>04 October 2004</u> is/are: a) accepted or b)⊠ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	nder 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
	•					
Attachment						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail D				
3) Inform	nation Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal F				
Paper	No(s)/Mail Date	6)				

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Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "receiving a driving signal output from a compensator"; "transforming the driving signal to a driving signal value by an analog to digital converter"; "the look up table is stored in a read only memory"; "the compensator receiving a difference of the analog control signal and a feedback signal"; "an amplifier receiving the driving signal and outputting a driving current"; "the laser diode receiving the driving current and generating a laser beam"; and "a front monitor diode receiving the laser beam to generate the feedback signal " must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will

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be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Noted: the drawings were rejected in the Office Action mailed on 02/26/2007, but Applicant has not responded to this issue above.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Claims 1-7 are allowed.

The admitted prior art discloses a method of determining the time for executing optimal power calibration applied in a closed loop control circuit of a laser diode in an optical drive, the method comprising: receiving a driving signal output from a compensator (see Fig. 1, elements 20, 22).

Nanba et al. (US 5,796,704) discloses executing the optimal power calibration when the temperature value is higher than a predetermined temperature (see cols. 3-4).

Neitiniemi US 6,711,388 discloses a transforming a driving signal to a driving signal value by an analog to digital converter; transforming the driving signal value to a temperature value according to a look up table (Fig. 4, elements 416, and 418).

The admitted prior art discloses transforming a digital control signal to an analog control signal by a digital to analog circuit (see [0004]); the compensator receiving a difference of the analog control signal and a feedback signal to generate the driving signal; an amplifier receiving the driving signal and outputting a driving current; the laser diode receiving the driving current and generating a laser beam; and a front monitor diode receiving the laser beam to generate the feedback signal (see Fig. 1).

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None of the cited references in record disclose or suggest a method of determining the time for executing optimal power calibration applied in a closed loop control circuit of a laser diode in an optical drive, the method comprising: transforming the driving signal to a driving signal value by an analog to digital converter; transforming the driving signal value to a temperature value according to a look up table; and executing the optimal power calibration when the temperature value changes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. This application is in condition for allowance except for the following formal matters:

The matters noted above.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Cited References

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The cited references relate to Information recording method which changes in the temperature between the time of performing the OPC and the time of recording method information (Miyaki US 7,126,896); A calibration processing unit is provided which the

reproducing laser power determined by the calibration processing unit in accordance with a temperature in the apparatus (Minami et al. US 6,331,966); the reproducing laser power is calibrated, in the case where a degree of a change in temperature detected by the temperature sensor decreases as compared with the temperature at the preceding time, the calibration of the reproducing laser power at every predetermined time intervals is stopped until the temperature change exceeds a predetermined value (Nanba Us 5,796,704).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN T. PHAM whose telephone number is 571-272-7590. The examiner can normally be reached on Monday-Thursday from 9:00am- 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VP

WAYNE YOUNG SUPERVISORY PATENT EXAMINER